

**Product Texts**

Zytel® LCPA long chain polyamide resins provide an innovative and growing portfolio of flexible polymers with excellent thermal, chemical, and hydrolysis resistance. The diverse selection of Zytel® LCPA grades is targeted for a range of performance characteristics, balancing temperature resistance, flexibility and low permeation.

**Zytel® LCBM6301 BK010 is a toughened polyamide 612 resin for blow molding applications.**

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>1100 / 750</b>	MPa	ISO 527
<sup>[C]</sup> Yield stress	<b>32 / 29</b>	MPa	ISO 527
<sup>[C]</sup> Yield strain	<b>12 / 30</b>	%	ISO 527
<sup>[C]</sup> Nominal strain at break	<b>&gt;50 / &gt;50</b>	%	ISO 527
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>35 / 80</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	<b>13 / 12</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Shore D hardness	<b>69 / *</b>	-	ISO 7619-1

[C]: CAMPUS

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	<b>216 / *</b>	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>47 / *</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	<b>83 / *</b>	°C	ISO 75-1/-2

[C]: CAMPUS

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<sup>[C]</sup> Humidity absorption	<b>0.65 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1010 / -</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding, Blow Molding

**Delivery form**

Pellets

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Chemical Resistance**

General Chemical Resistance, Hydrolytically Stable

**Regional Availability**

Europe, Asia Pacific